

Find the exact value of the given trigonometric function. Draw your picture.

1. $\tan \frac{5\pi}{3} =$

2. $\csc -\frac{3\pi}{2} =$

3. $\cot 225^\circ =$

4. $\sin -330^\circ =$

5. $\cos 510^\circ =$

6. $\sec -450^\circ =$

Find the exact value of the remaining trigonometric functions. Draw your picture in the indicated quadrant.

7. $\cos \theta = \frac{3}{5}$, and $\sin \theta < 0$

8. $\sec \theta = \frac{-12}{5}$, and $\cot \theta > 0$

9. $\cot \theta = \frac{-\sqrt{3}}{5}$, and $\sec \theta < 0$

10. $\sin \theta = \frac{\sqrt{3}}{2}$, and $\sec \theta > 0$